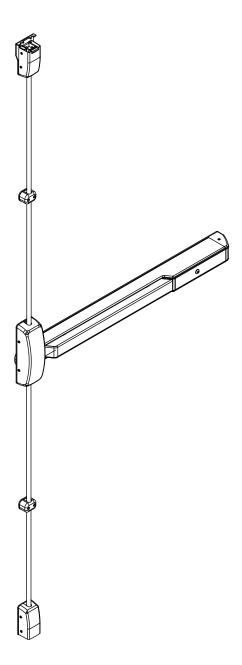
Installation Instructions



FM-PE8700 Series (12- and Standard)

Surface Vertical Rod Exit Devices





This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www. P65warnings.ca.gov.

A WARNING

Attention Installer: Improper installation may result in damage to the product and void the factory warranty.

Surface Vertical Rod Exit Device

Installation Instructions

Screw Chart



#10-24 X 3/4" FLAT HEAD MACHINE SCREW	2	(4) CHASSIS CORNER MOUNTING HOLES
	2	
#10-24 X 3/4" ROUND HEAD SOCKET SCREW	2	(2) REAR MOUNTING PLATE
#8-32 X 3/8" TRUSS HEAD MACHINE SCREW	2	(2) CHASSIS TO MOUNT RAIL
#12-24 X 3/4" SOCKET HEAD CAP SCREW WITH MORTISE NUT	4	(2) TOP CASE TOP MOUNTING HOLES (2) BOTTOM CASE BOTTOM MOUNTING HOLES
#12-24 X 1" FLAT HEAD SOCKET SCREW	4	(2) TOP CASE BOTTOM MOUNTING HOLES (2) BOTTOM CASE TOP MOUNTING HOLES
#12-24 X 3/4" FLAT HEAD MACHINE SCREW	5	(1) TOP CASE SHIM (4) 659 TOP LATCH STRIKE
RAIL RETAINER BOLT	1	(1) MOUNT RAIL / CARRIER TO DOOR
1/4"-20 SHOULDER BOLT	1	(1) THRU INSERT

Surface Vertical Rod Exit Device

Installation Instructions

SARGENT ASSA ABLOY

Screw Chart

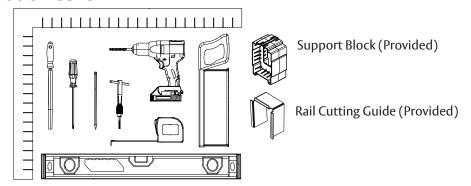
DESCRIPTION	TOTAL QTY SUPPLIED	WHERE USED
	3	(3) 653 BOTTOM STRIKE
1/4" SLEEVE ANCHOR		
	4	(2) TOP ROD GUIDE
#10-24 X 1-1/2" OVAL HEAD MACHINE SCREW		(2) BOTTOM ROD GUIDE
	14	(4) CHASSIS COVER
		(2) END CAP
() minum		(4) TOP CASE COVER
#8-32 X 5/16" W/ #6 OVAL HEAD MACHINE SCREW		(4) BOTTOM CASE COVER
1/4"-20 X 2-3/8" KNURLED FLAT HEAD MACHINE SCREW	2	(2) EXIT TRIM (IF USED)

Surface Vertical Rod Exit Device

Installation Instructions

SARGENT ASSA ABLOY

Tools Needed





Before installation:

- 1. Install mullion, if used.
- 2. Fit and hang door.
- 3. Check the box's label for the size of the exit device.

Note: Please refer to trim and other installation instructions provided in the box.

THIS EXIT DEVICE IS HANDED

CHECK HAND OF DEVICE AGAINST APPLICATION OUTSIDE

RIGHT HAND

BEVEL

REVERSE



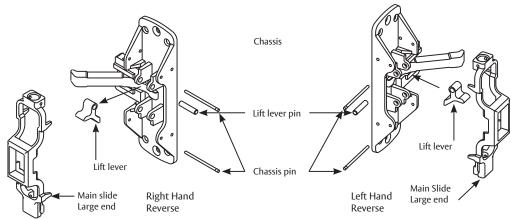
The surface of the door where the exit device is to be applied must be flush. Clear away any raised projections to allow exit device to rest on the flat surface of the door. If shim kit is required, contact your distributor.

Handing

All FM-PE8700 series exit devices are handed, except the FM-PE8710, which is field reversible. The FM-PE8710 is shipped as LHR unless ordered as RHR.

To Change Hand of an FM-PE8700 Exit Device:

- 1. Remove both chassis pins and main slide.
- 2. Remove lift lever pin and lift lever.
- 3. Rotate chassis 180° and reposition lift lever and lift lever pin as shown below
- 4. Position main slide with large end of main slide at the bottom and retain with chassis pins.



I-800-727-5477 • www.sargentlock.com

A8319-1 5/23 Lsafer

LEFT HAND

REVERSE

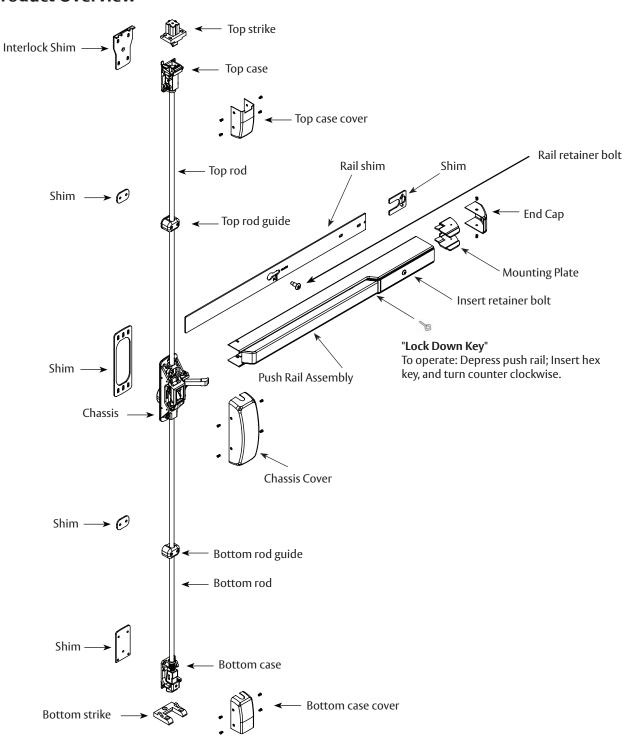
Copyright © 2023, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent www.assaabloydss.com/patents.

Surface Vertical Rod Exit Device

Installation Instructions

SARGENT ASSA ABLOY

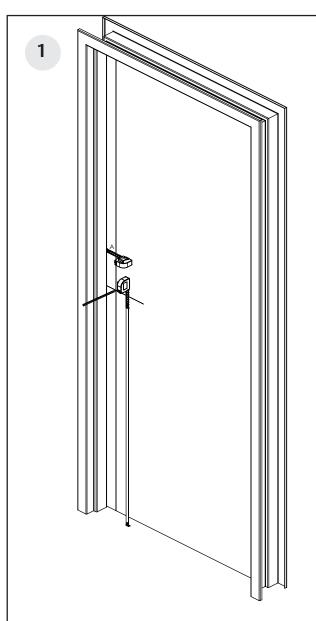
Product Overview



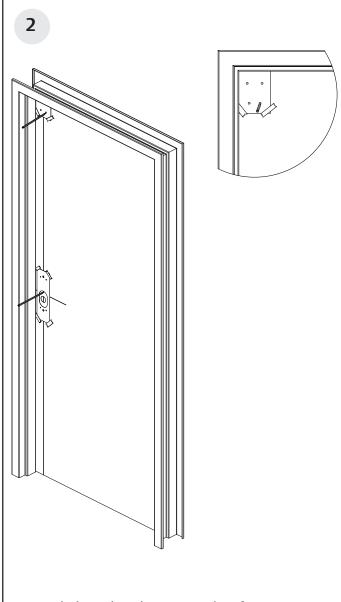
and more open world

Surface Vertical Rod Exit Device





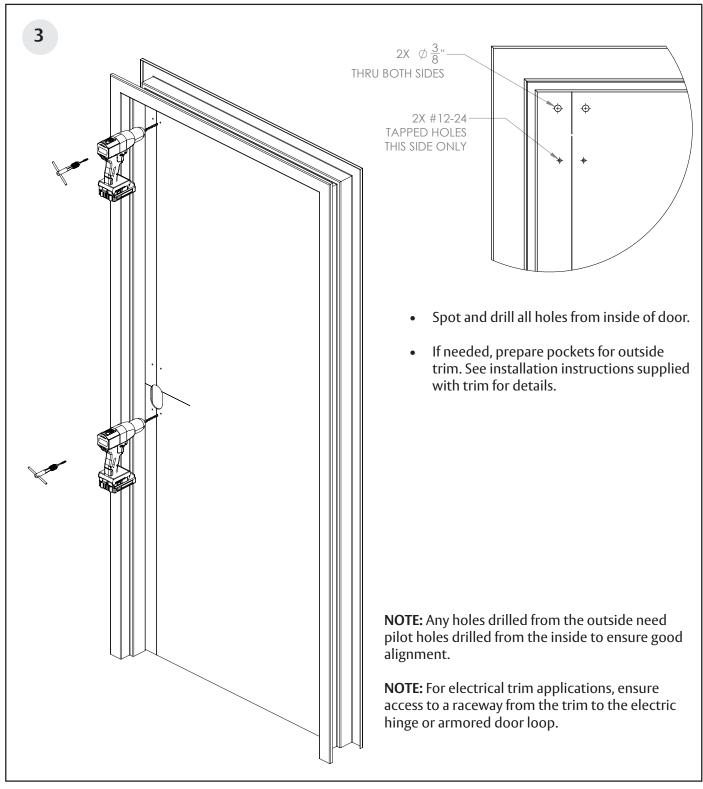
- With door closed, measure and mark 2-3/4" to locate the vertical reference center line of the chassis, top case, and bottom case.
- Horizontal reference line is rail centerline height. Standard rail centerline height is 39-5/8" above the finished floor.



- With door closed, tape template for chassis / trim on inside of door, along vertical and horizontal reference lines.
- Fold top case / top strike template and tape on inside of door along vertical reference lines.

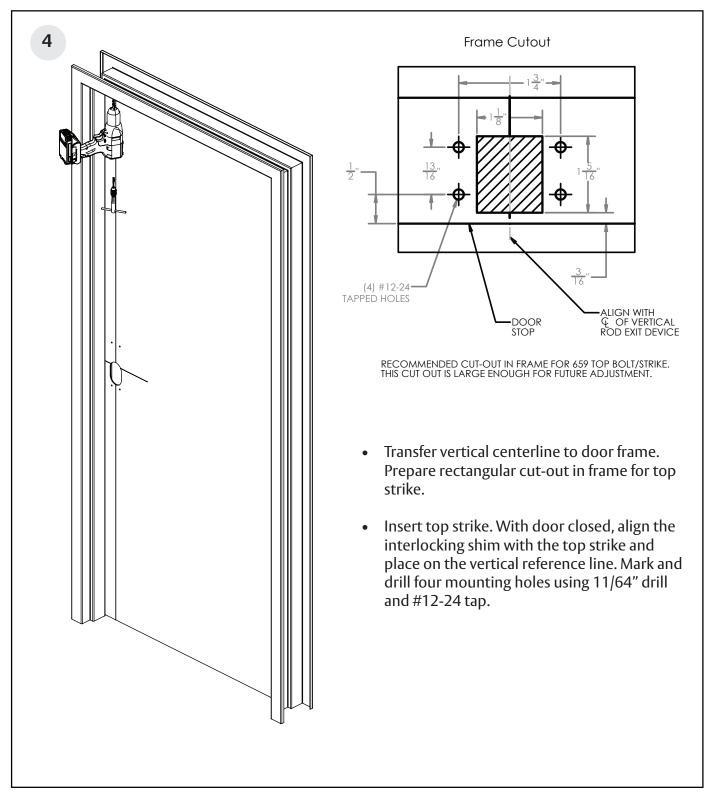
Surface Vertical Rod Exit Device





Surface Vertical Rod Exit Device

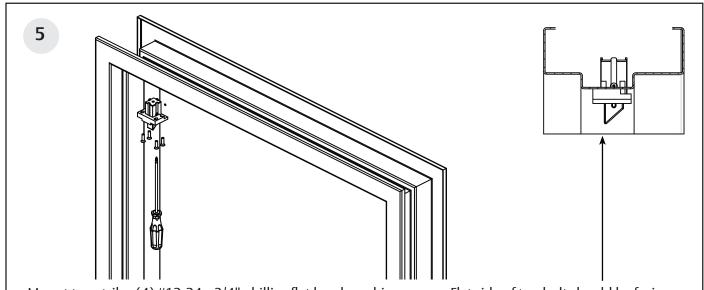




Surface Vertical Rod Exit Device

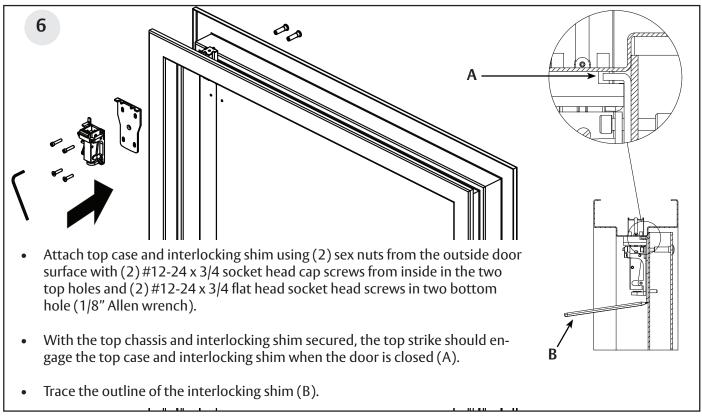
Installation Instructions





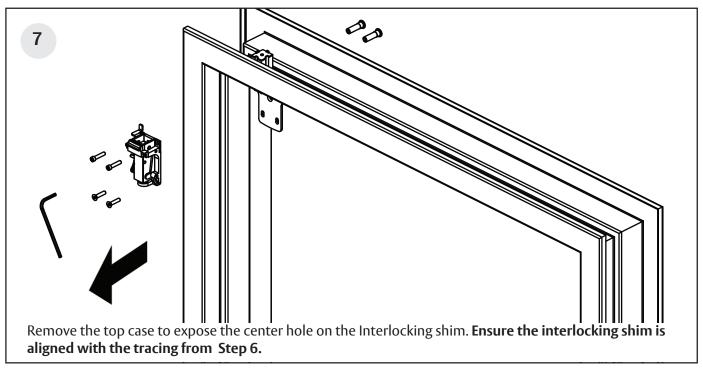
Mount top strike, (4) $\#12-24 \times 3/4$ " phillips flat head machine screws. Flat side of top bolt should be facing away from the door.

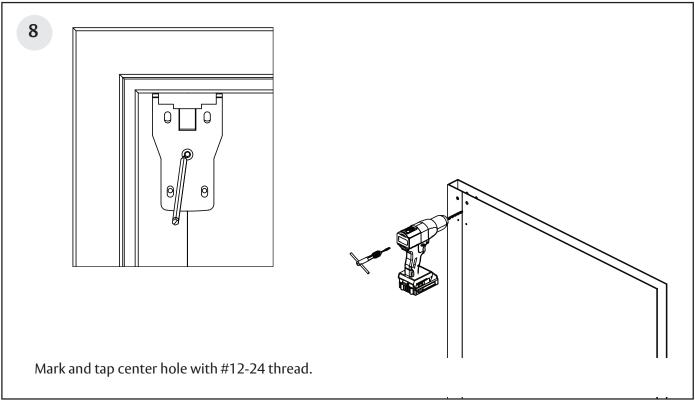
Note: All four fasteners required. DO NOT TIGHTEN FULLY.



Surface Vertical Rod Exit Device

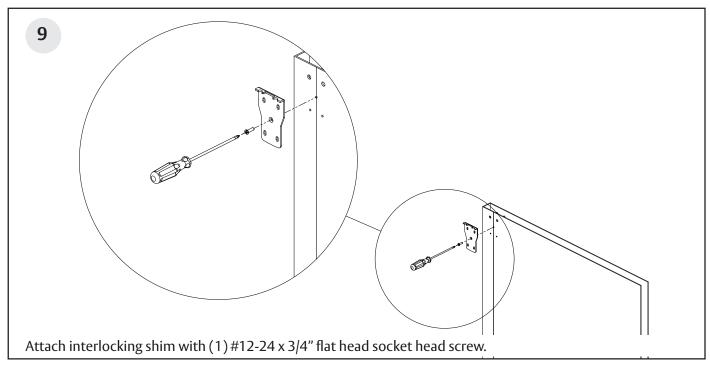


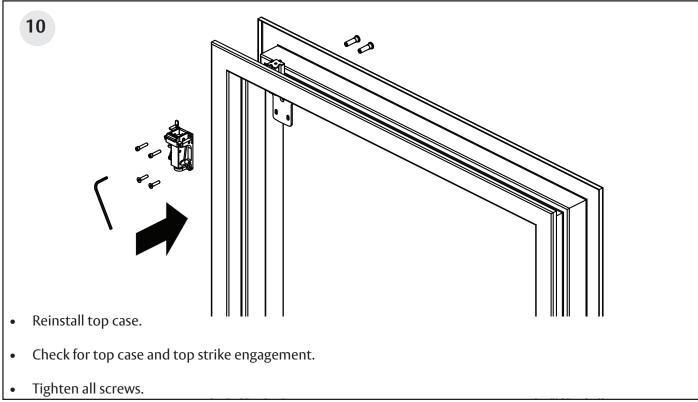




Surface Vertical Rod Exit Device



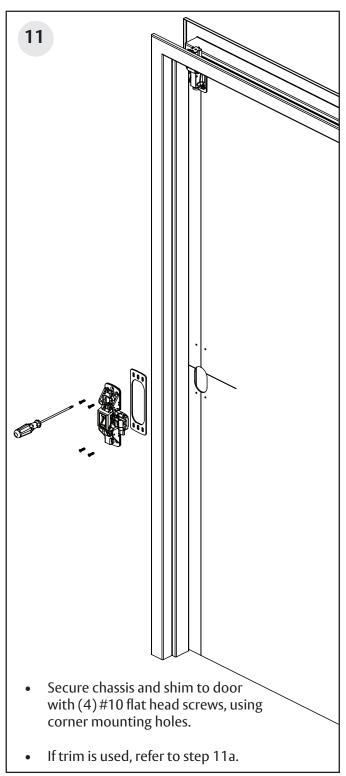


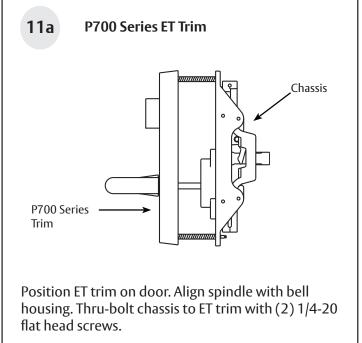


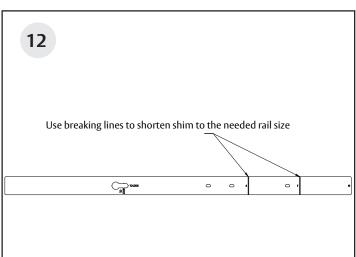
Surface Vertical Rod Exit Device

Installation Instructions









Refer to rail size listed on the box the device was shipped in. Break rail shim to the length that corresponds to the rail size.

Note: If shim needs to be cut, always cut shim from the end closest to the hinge edge.

Surface Vertical Rod Exit Device

Installation Instructions

SARGENT ASSA ABLOY

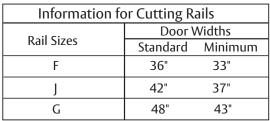
Rail cutting guide

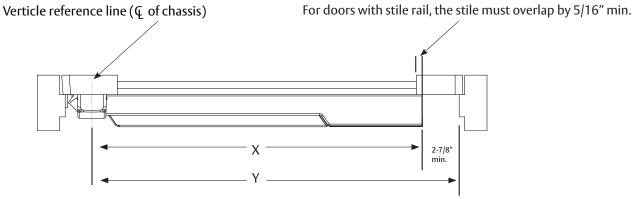
If the rail doesn't need to be cut, continue to page 15 step 13. If the rail must be cut, follow these steps on page 13 and 14:

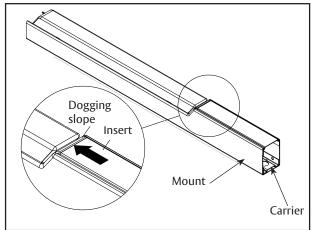
Refer to the individual exit device installation instructions for rail cutting requirements / restrictions. Instructions will vary based on device type and options.

 Determine cut off dimension "X" by subtracting 2-7/8" from dimension "Y". Mark cut off point on mounting rail. (See below.)

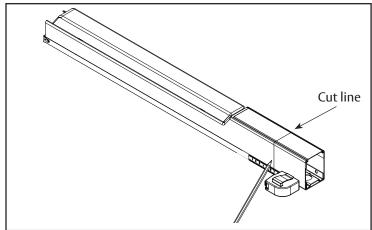
Do not cut closer than 4" from the the front edge of the rail insert.







A. Ensure there isn't a gap between the insert and the dogging slope, and the carrier is flush with the mount.



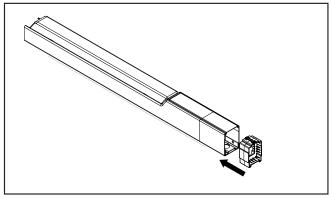
B. Mark rail at the required cut length.

Surface Vertical Rod Exit Device

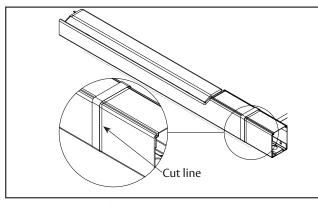
Installation Instructions

SARGENT ASSA ABLOY

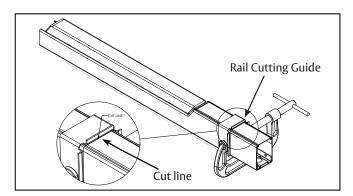
Rail cutting guide, continued.



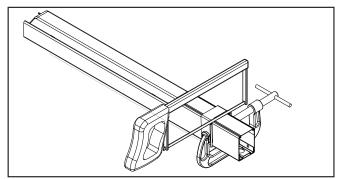
C. Ensure plastic insert support is installed under the cut line.



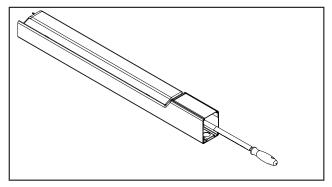
D. Wrap the rail and insert in masking tape, as shown.



E. Place the rail cutting guide over the masking tape and align it with the cut line. Clamp the cut guide to the rail using a C-clamp.



F. Using a hack saw with a new blade or a chop saw with a metal cutting blade, cut the rail, ensuring that the blade stays pressed against the rail cutting guide.



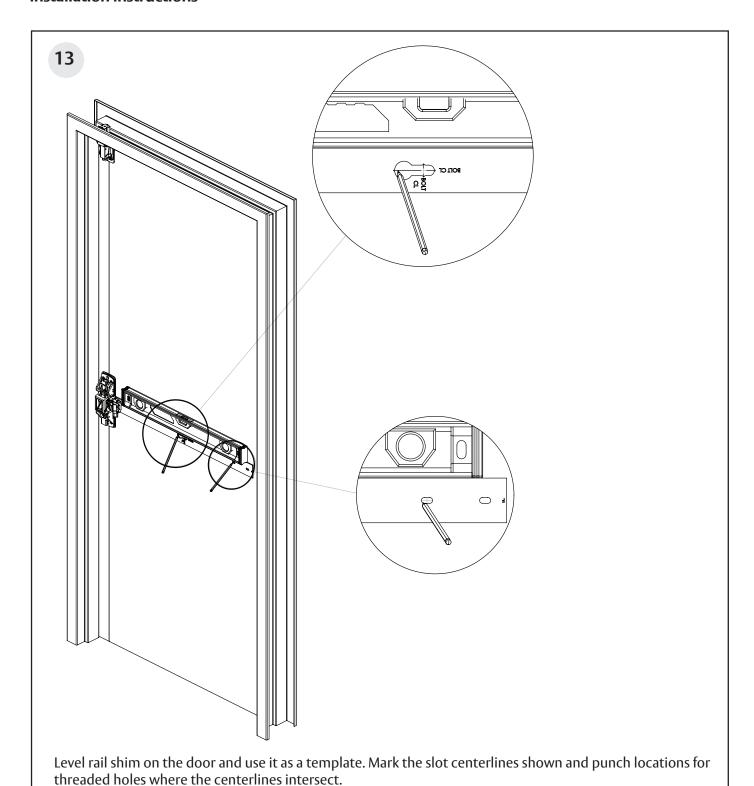
G. Deburr and smooth all cut edges with a file.

A8319-1 5/23

Surface Vertical Rod Exit Device

Installation Instructions



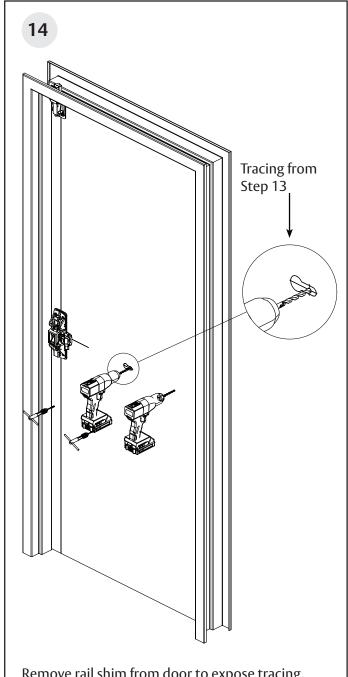


www.assaabloydss.com/patents.

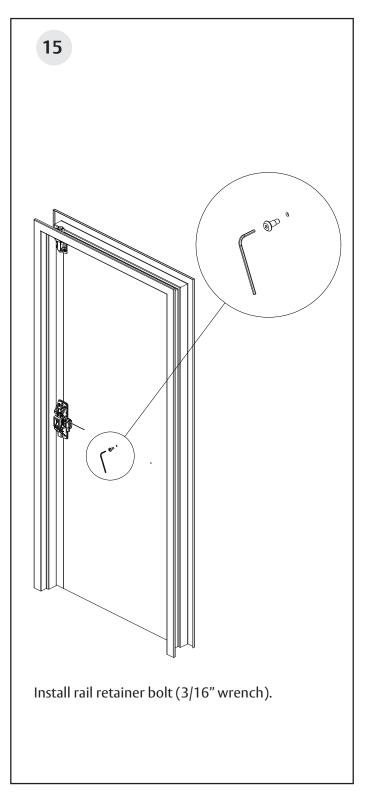
Surface Vertical Rod Exit Device

Installation Instructions





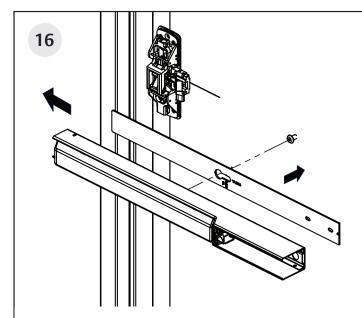
Remove rail shim from door to expose tracing. Drill and tap (2) holes as shown in door surface. ("I" drill with 5/16-24 tap for hole at the middle of the door, #7 drill with 1/4-20 tap for hole closer to hinge.



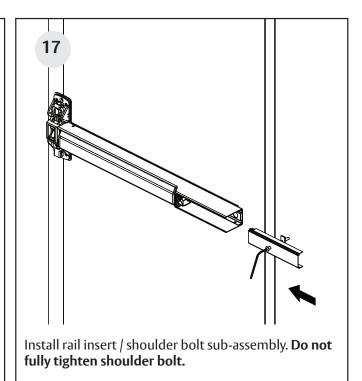
Surface Vertical Rod Exit Device

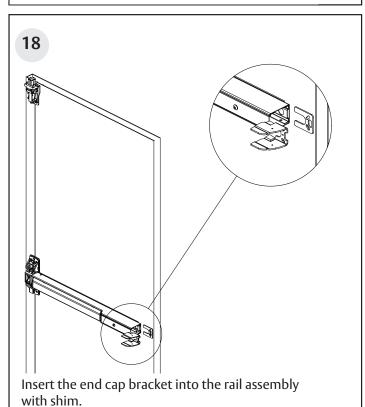
Installation Instructions

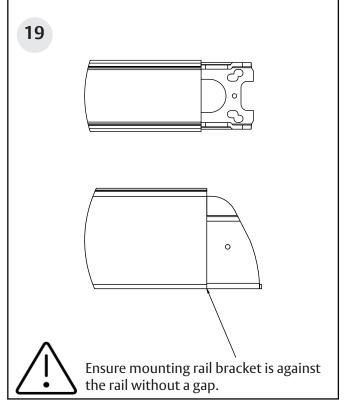




Depress chassis lift arm, and slide rail assemby with rail shim onto chassis. Ensure rail retainer bolt engages properly with slot in rail shim and rail assembly.



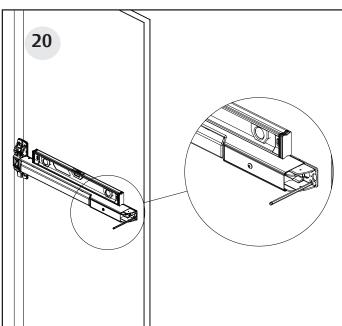


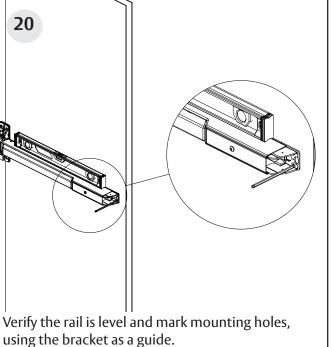


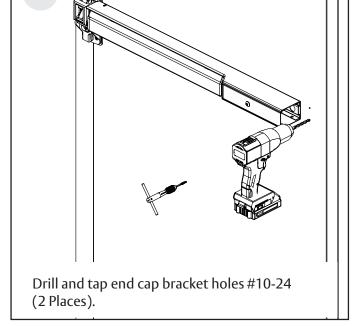
Surface Vertical Rod Exit Device

Installation Instructions

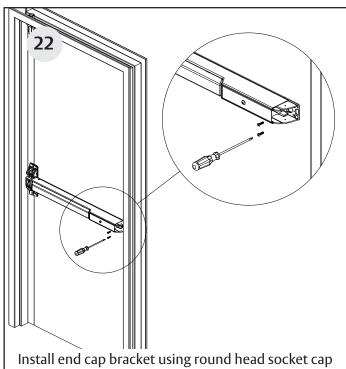
SARGENT ASSA ABLOY

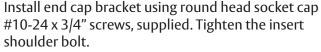


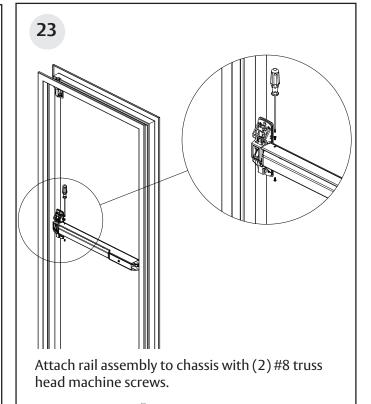




21



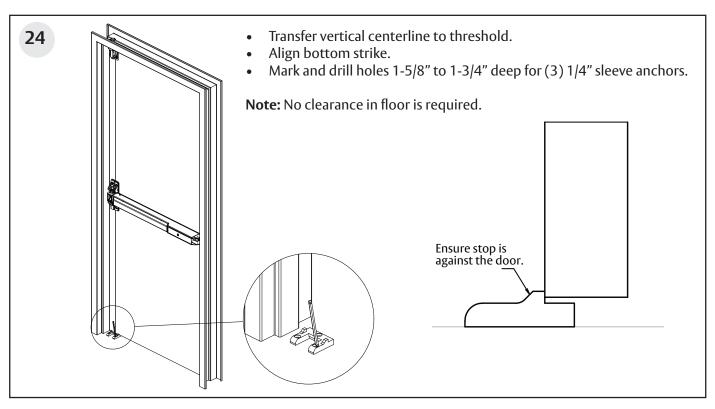


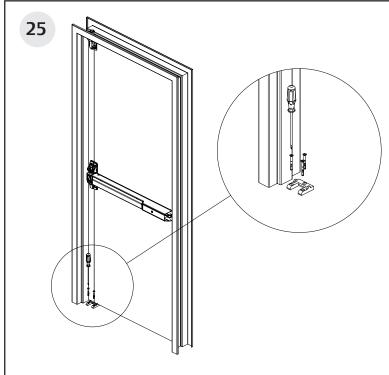


A8319-1 5/23

Surface Vertical Rod Exit Device



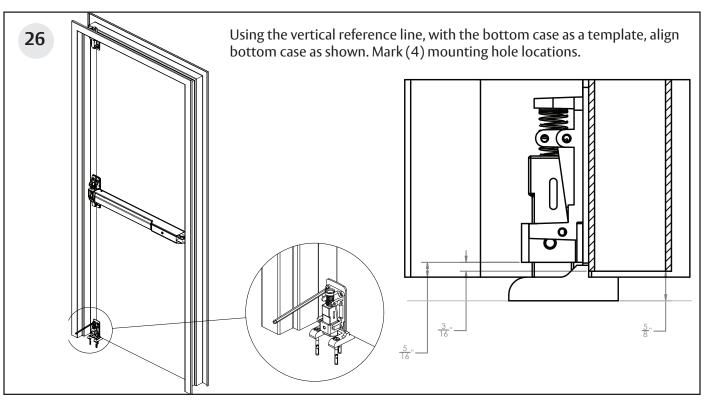


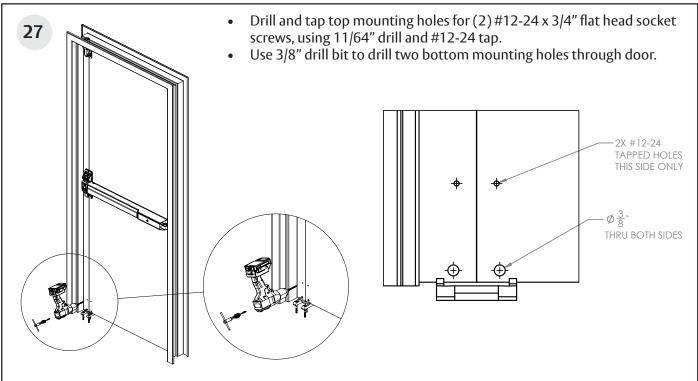


- Disassemble anchors and drop lower portion into the hole with threads facing towards the top of the hole.
- Align holes in strike with holes in floor.
- Screw the top half of the anchor onto the installed piece through the holes in the strike. Tighten the anchors.

Surface Vertical Rod Exit Device

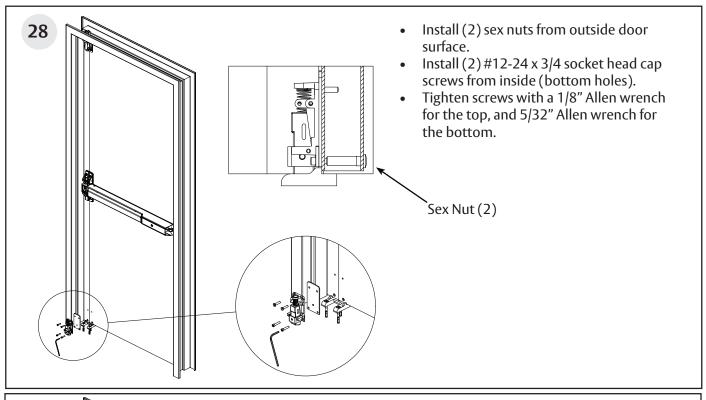


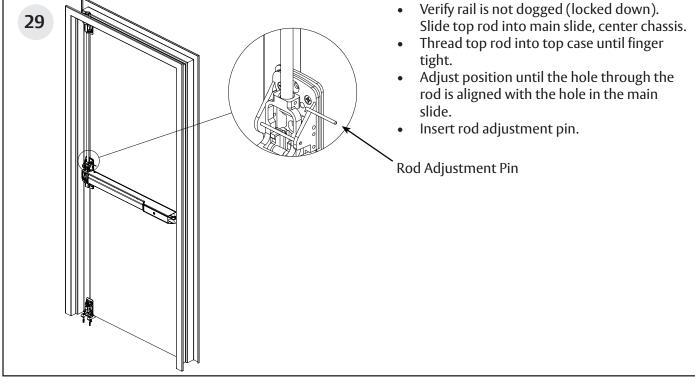




Surface Vertical Rod Exit Device

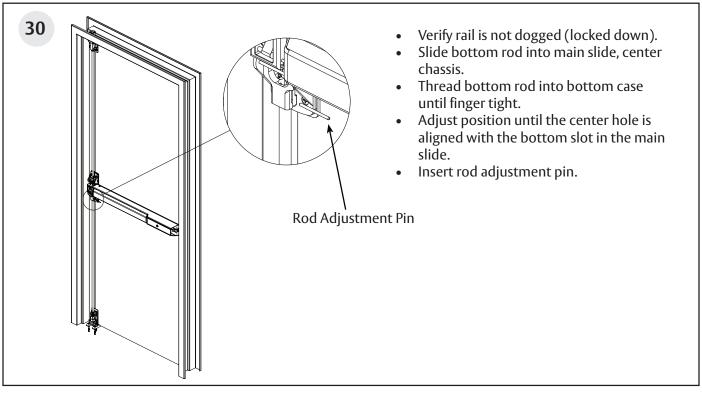


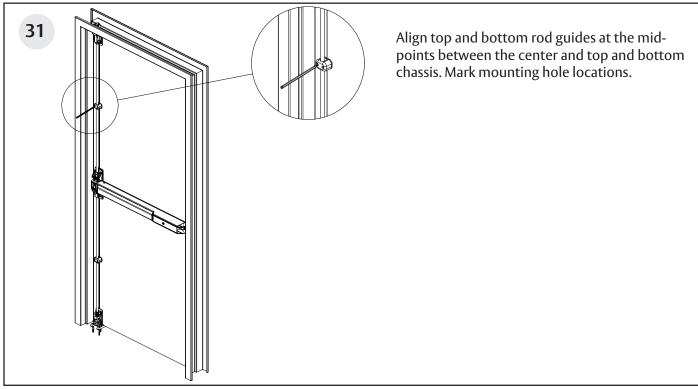




Surface Vertical Rod Exit Device

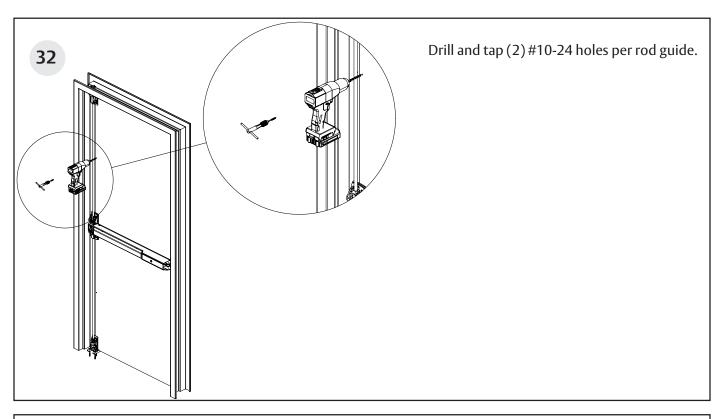


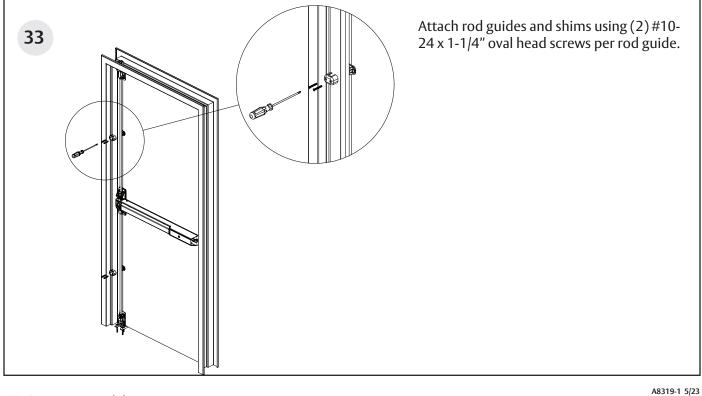




Surface Vertical Rod Exit Device







SARGENT ASSA ABLOY

